

1 / 8

FIG. 1A

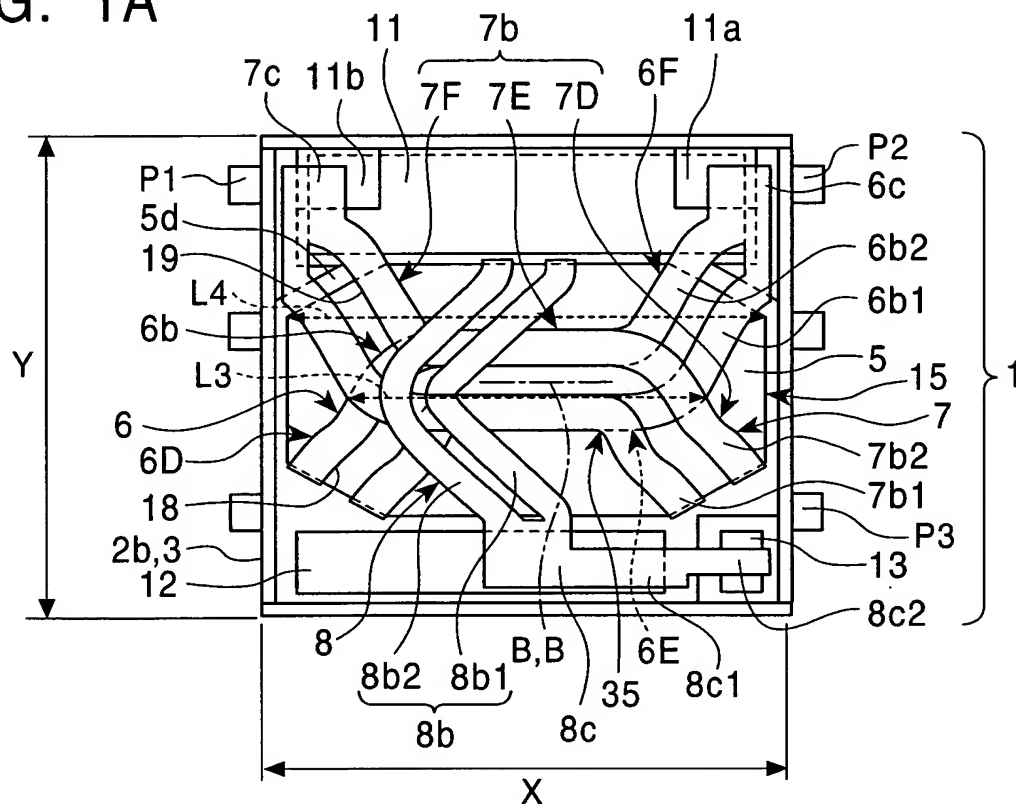


FIG. 1B

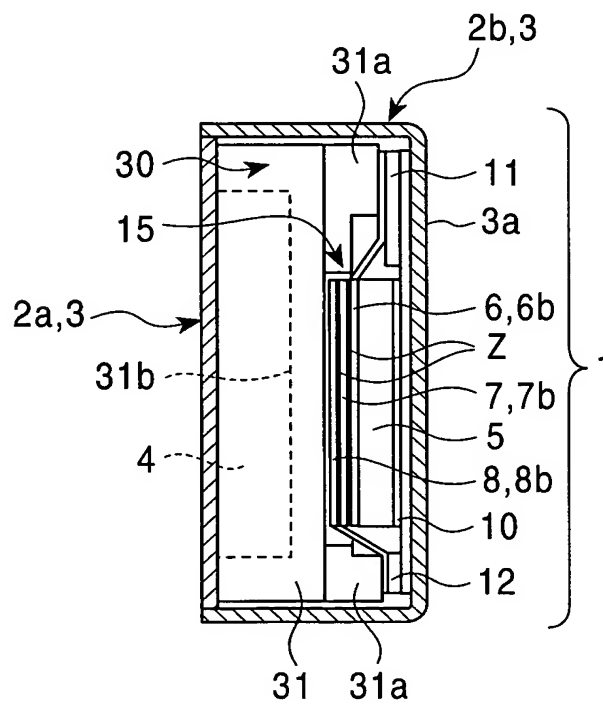


FIG. 2

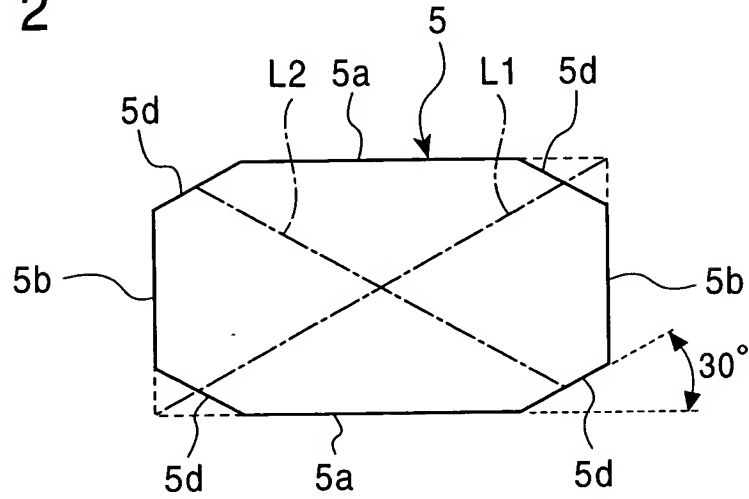
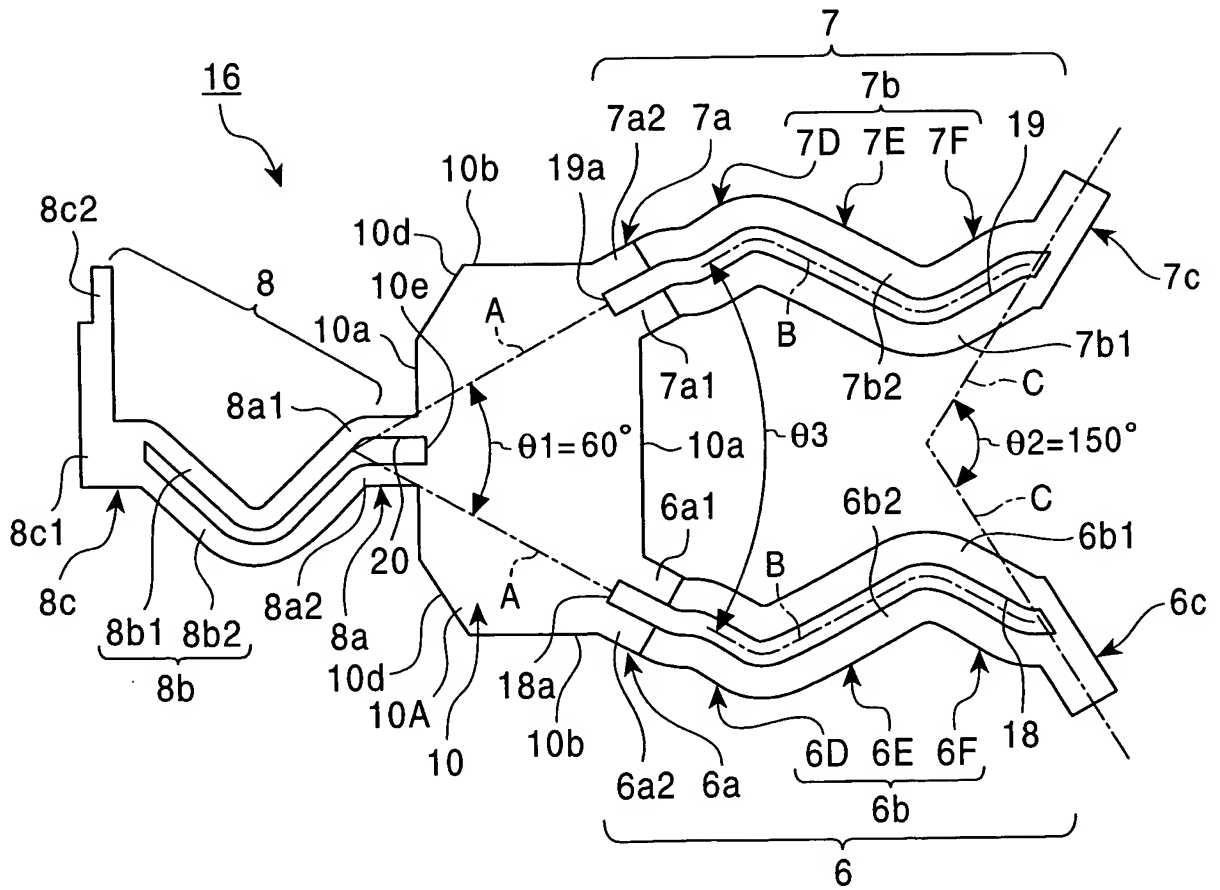


FIG. 3



The diagram illustrates a radio receiver and transmitter system. The receiver path (top) starts with an antenna (40) connected to an antenna duplexer (41). The duplexer directs signals to a first amplifier (42), followed by an inter-stage filter (48). The filtered signal is then mixed with a local oscillator signal (49) in a mixer (43). The resulting intermediate frequency signal is processed by a receiving circuit (44). The transmitter path (bottom) starts with a transmitting circuit (47) that provides a signal to a mixer (46). This mixer also receives a local oscillator signal (49a) and produces a radio frequency signal. This signal passes through a second amplifier (45) and is fed back into the antenna duplexer (41) via a circulator (1) for transmission through the antenna (40).

FIG. 5

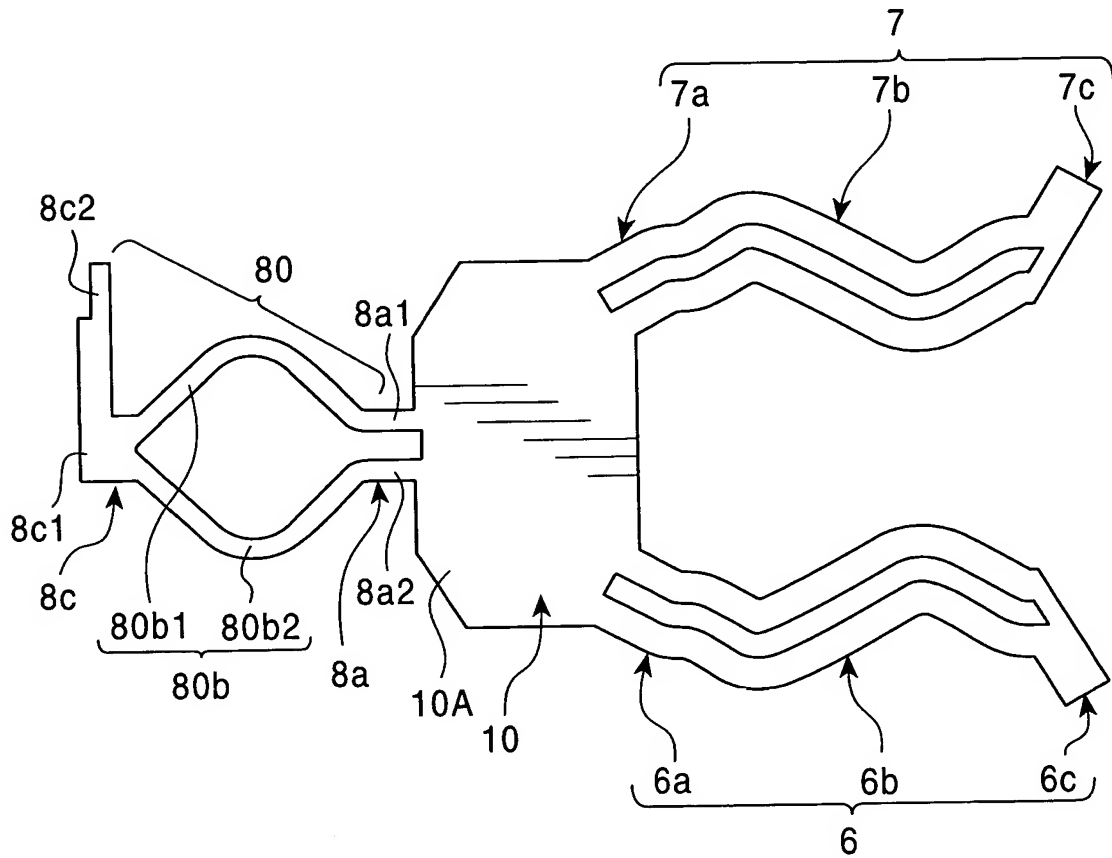


FIG. 6

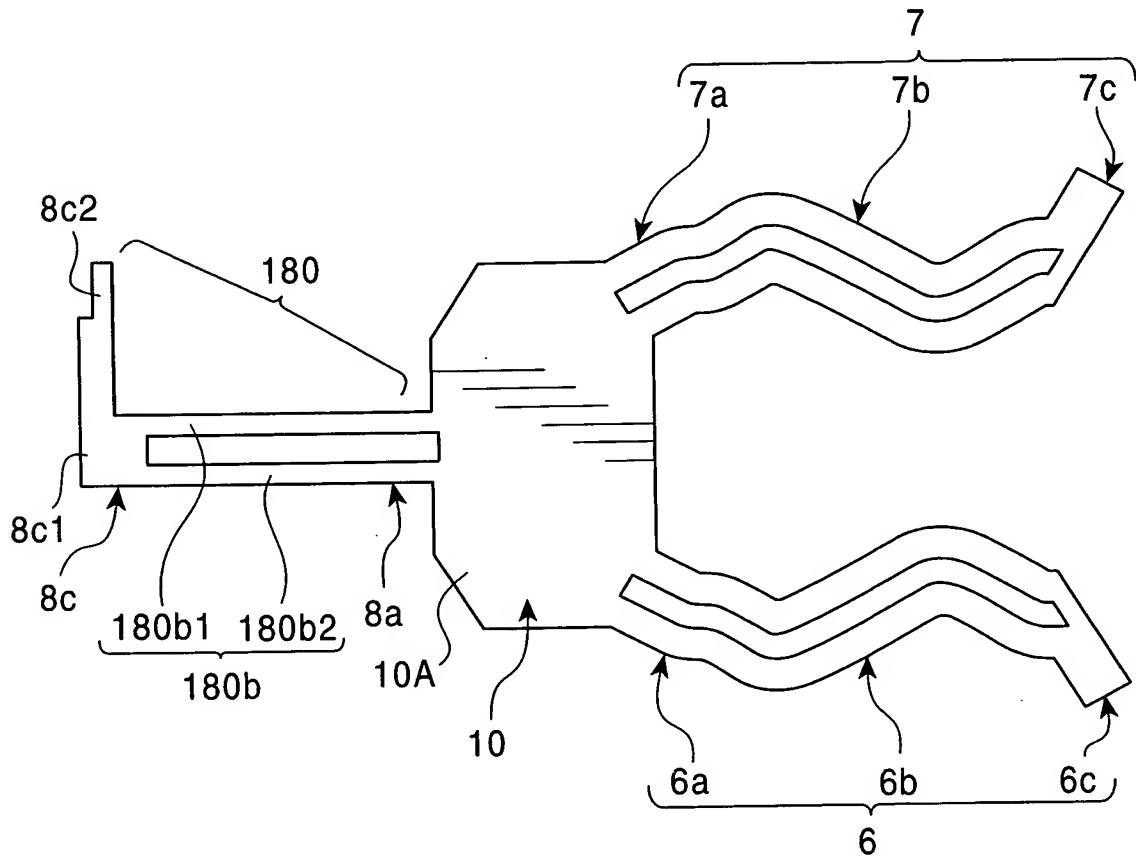


FIG. 7

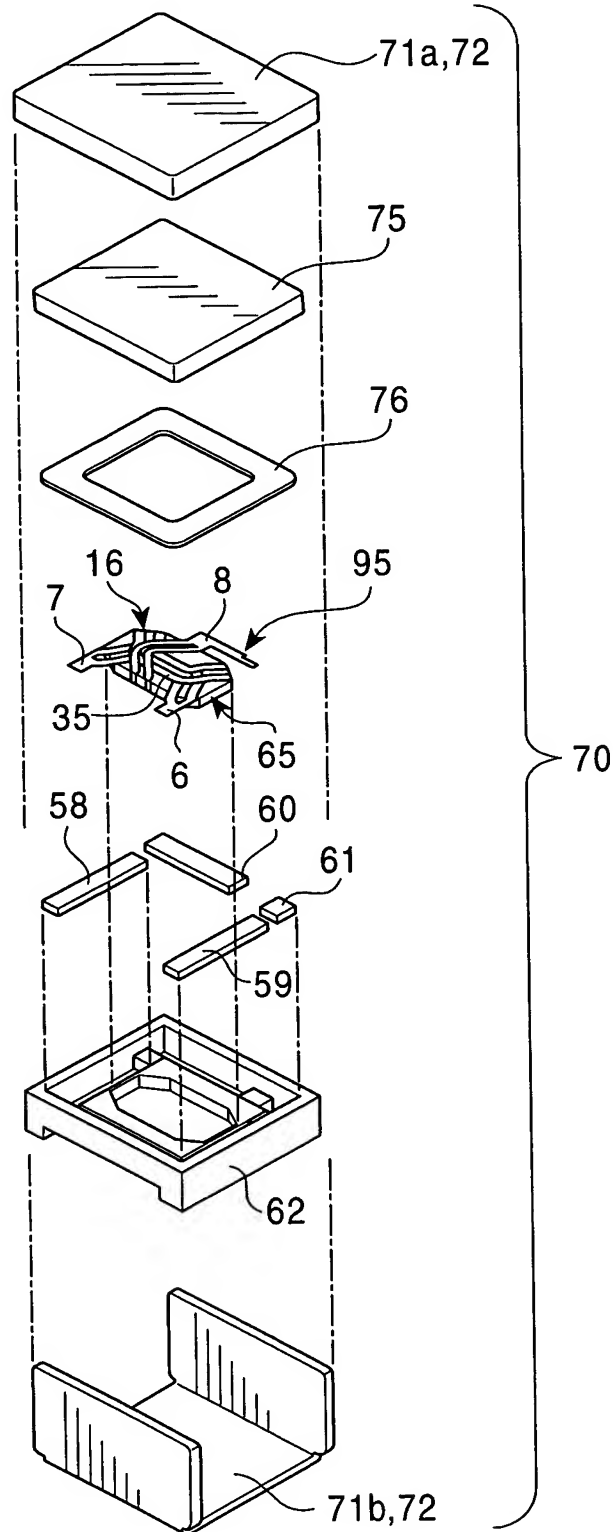


FIG. 8

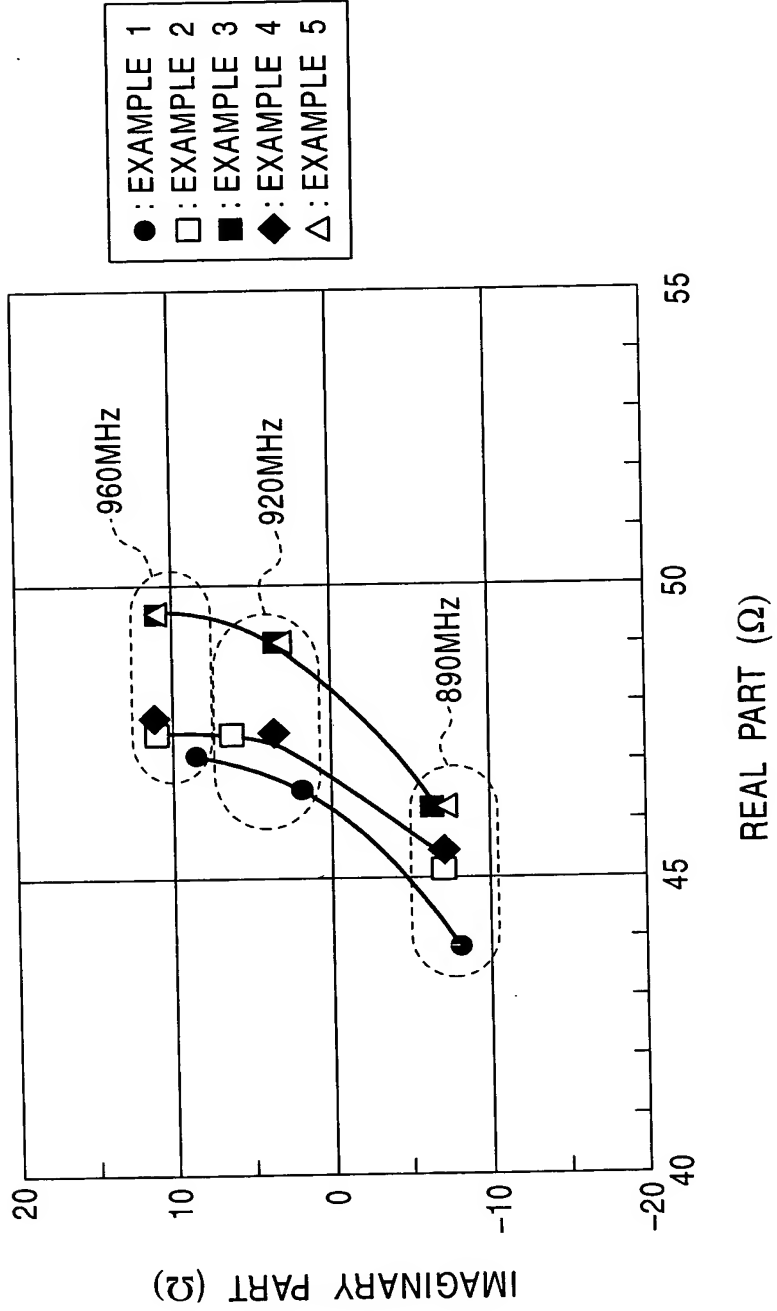


FIG. 9

